

SYLLABUS for
Common Entrance Examination (CEE) for Undergraduate Academic Programs of AFU
(B.Sc.Ag., B.V.Sc.&A.H., B.Sc. Forestry, B.Sc. Fisheries)

Subject-wise question distribution for Undergraduate Entrance Examination

S.N.	Subjects	No. of Questions
1.	English	22
2.	Mathematics	12
3.	Physics	12
4.	Chemistry	22
5.	Botany	22
6.	Zoology	22
7.	General Knowledge	8
	Total	120

Syllabus - Major Contents:

S.N.	Subject	Major Syllabus Contents	No. of Questions
1.	ENGLISH	Reading Comprehension, Grammar and Structure, Vocabulary	22
2.	MATHEMATICS	Algebra, Trigonometry, Analytic Geometry, Vectors, Statistics & Probability, Calculus, Computational Methods OR Mechanics/ Maths for Economics & Finance	12
3.	PHYSICS	Units, Dimensions, and Measurement, Scalars and Vectors, Kinematics and Projectile Motion, Dynamics and Momentum, Work, Energy, and Power, Gravity and Gravitation, Hydrostatics, Properties of matter, Heat and Temperature (Thermal Expansion), Light: reflection, refraction, optical instruments and prism, Waves and sound, Electrostatics and Capacitors, Magnetism, Current electricity, Modern physics	12
4.	CHEMISTRY	General and physical chemistry: Basic Concepts and Formulas, Atomic Structure, Periodic Table and Properties, Chemical Bonding, Gas Laws and States of Matter, Oxidation and Reduction, Acids, Bases, and Salts, Chemical equilibrium, Volumetric Analysis, Electrochemistry; Inorganic chemistry: Chemistry of metals, Chemistry of non-metals; Organic chemistry: Fundamental principles, Hydrocarbons, Alcohols, Phenols and Ethers, Aldehydes and Ketones, Carboxylic Acid and its Derivatives	22
5.	BOTANY	Biomolecules and Cell Biology, Floral Diversity (Taxonomy and biodiversity), Plant Anatomy, Plant Physiology, Genetics, Taxonomy and Classification, Microbiology (Virus / Bacteria), Embryology, Biotechnology	22
6.	ZOOLOGY	Evolutionary Biology, Faunal/animal Diversity, Ecosystem and Environment, Conservation Biology,	22

		Animal Tissues, Developmental Biology, Life processes in mammals	
7.	GENERAL KNOWLEDGE	Current Affairs, Sports, Entertainment, Geography, History, Politics, National and International Affairs, Science and Technology, Agriculture, Animal Science, Veterinary Science, Forestry, Fisheries and others	8
	TOTAL		120

Multiple Choice Questions | Full Mark: 120 | Pass Mark: 60 | Examination Duration: 90 minutes